

Call for Ph.D / M.S. Program (Odd Semester 2019-20)

School of Basic Sciences

Indian Institute of Technology Mandi

IIT Mandi seeks applications for the **Ph.D. program** in the School of Basic Sciences (SBS) in the following areas.

Sl. No.	Specialization	Qualification for Ph.D	Remarks
1	<b>Physical Sciences:</b> Quantum Materials, Magnetism and Magnetic Materials, Electron Spectroscopy, Statistical Mechanics, Experimental Condensed Matter Physics.	Please see the link: <a href="http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php">http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php</a>	Select main area i.e. <b>Physical Sciences.</b>
2	<b>Chemical Sciences:</b> Graphene and Carbon Quantum Dots Bio Imaging, Heterogeneous Catalysis, Inorganic/Materials/Nano-Chemistry.	Please see the link: <a href="http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php">http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php</a>	Select main area i.e. <b>Chemical Sciences.</b>
3	<b>Biological Sciences:</b> Zika Virus Capsid Protein Folding and Drug Discovery, Metabolic Syndrome, Diabetes, Obesity, Non-alcoholic fatty liver disease (NAFLD), Host pathogen immunology, Microbiology, Bioinformatics, NGS Data Analysis, Role of microRNAs in human gliomas and glioma stem cells.	Please see the link: <a href="http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php">http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php</a>	Select main area i.e. <b>Biological Sciences.</b>

4	<b><u>Mathematics &amp; Statistics</u></b>		
(i)	<b>Mathematics:</b> Harmonic Analysis, Computational Fluid Dynamics, Dynamical Systems, Mathematical Modelling, Differential Equations.	Please see the link: <a href="http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php">http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php</a>	Select <b>Mathematics</b> under area Mathematics and Statistics.
(ii)	<b>Statistics and Machine Learning (SM):</b> Time Series Analysis, Predictive Modelling, Application to Climate Data, Climate Change, Flood Prediction, Disease Modeling, Optimization and Machine Learning.	<b>For Statistics:</b> M.Tech. (Comp. Science/ Water Resources Engineering/ Atmospheric Science/ Remote Sensing/ Computational and Data Sciences/ Environmental Engineering / Signal Processing or equivalent) <b>For Machine Learning:</b> M.Tech. (Comp. Science/ Elec. Engineering or equivalent). Or M.Sc. Statistics/Applied Mathematics / Mathematics or Equivalent with Valid GATE/NET Score For more details, please see the link below: <a href="http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php">http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php</a>	Select <b>Statistics and Machine Learning</b> under area Mathematics and Statistics.

**Call for M.S. Program in Statistics and Machine Learning (Odd Semester 2019-20)**

IIT Mandi seeks applications for the **M.S. program** in the School of Basic Sciences (SBS) in the following areas:

Sl. No.	Specialization	Qualification for MS	Remarks
1	<b>Statistics and Machine Learning:</b> Time Series Analysis, Predictive Modelling, Application to Climate Data, Climate Change, Flood Prediction, Disease Modeling, Machine Learning.	<b>For Statistics:</b> B.Tech. / BE (Comp. Science / Elec. Engineering/ Water Resources Engineering/ Environmental Engineering/ Atmospheric Science/ Remote Sensing/ Computational and Data Sciences/ Signal Processing or equivalent) + Valid GATE/NET score. <b>For Machine Learning:</b> B.Tech. / BE (Comp. Science / Elec. Engineering or Equivalent) + Valid GATE/NET score.  Or  M. Sc. (Mathematics / Statistics/ Applied Mathematics/ Environmental / Computer Sciences or equivalent). + valid GATE/NET score.	Select <b>Statistics and Machine Learning</b> under M.S.

**How to Apply**

Interested candidates are encouraged to fill the online application form available in the following link: <http://oas.iitmandi.ac.in/instituteprocess/Admission/ApplicantLogin.aspx>

**The last date of filling the online application is 23<sup>rd</sup> May, 2019.**

For any queries regarding M.S./Ph.D. program in SBS, please contact the SBS office through email: [sbsoffice@iitmandi.ac.in](mailto:sbsoffice@iitmandi.ac.in) or [sbs-admissions@iitmandi.ac.in](mailto:sbs-admissions@iitmandi.ac.in). We look forward to reviewing your application.

Employed candidates seeking admission to MS/PhD must submit a “**No Objection Certificate from their current employer**”.

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